REGISTERED WEATHER BARS AND FASTENINGS,
FOR FRENCH CASEMENTS, DOORS, AND WINDOWS.
SCAMELL AND WOOLTORTON,
WHOLESALE IRONMONGERS, LOCK MANUFACTURERS, AND BRASS FOUNDERS,
74 and 76, WEST SMITHFIELD, LONDON,

THE MANUFACTURERS and AGENTS for the sale of the above, confidently recommend them as the most perfect method of making casements and doors WEATHER-TIGHT, and as a SECURE FASTENING. They can be easily applied to new, old, or thin casements or doors, effectually keeping out dust, wind, and wet, and pring, also, as a FASTENING, there the important advantage of very materially adding, when ever applied, both to COMFORT and SECURITY.
Illustrated Handbills and full particulars lent upon application at Messrs. SCAMELL & WOOLTORTON'S, 74, WEST SMITHFIELD.

G. H. BUCK, 122, Edgware-road, Pad-
dington, begs to inform the above trades that he has purchased the business and premises of R. NELSON, Plane, Saw, and Chisel Tool Manufacturer, where G. H. B. continues to carry on the said business, and hopes to merit a share of the well-deserved patronage of every description. G. H. B. has also a good variety of Saws and Saw apparatus suitable for contractors. Orders from the country will be punctually attended to, and lists of prices sent on application post free. Chisels, gouges, and handles supplied at wholesale prices.—Farnum, Cash.

TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.
PUMPS of Superior CONSTRUCTION,
bored perfectly true by improved machinery, in various plain and ornamental patterns for Compositions, Squares, Marble Tops, Borders, Gardens, and for Liquid Manures. BRICK-MAKERS' PUMPS, in Wrought and Cast Iron. HYDRAULIC LIFT PUMPS and ENGINES for Wells of any depth SINGLE and DOUBLE PUMPS up to twelve-inch bore, Lead for Rise.
BENJ. FOWLER (late of 45, Dorset-street), removed to the new Factory, Whitefriars-street, Fleet-street.

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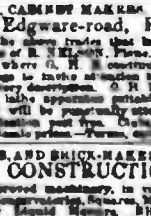
PATENT CAST IRON
PUMPS, for the use of Farms, Cottages, Manure Tanks, and Shallow Wells.



Patent Pump £1 15 0
Patent Pump, with 10 feet of lead pipe attached, and bolts and nuts ready for fixing 2 12 0
Larger sizes if required.
May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentees and Manufacturers,
JOHN WARNER and SONS,
Cripplegate, Jewin-street, London.
Descriptive Catalogues of Machinery for Raising Water, Fire, Engines, &c.
The usual allowance to the Trade.

WIRE NETTING and WINDOW BLIND
MANUFACTORY. To her Majesty's Honourable Board of Ordnance, and the Honourable East India Company.—Wire Netting, 1d. per square foot; Galvanized ditto, requiring no paint, 2d.; Wire Blinds, in mahogany frames, and tacks, complete, 1s. 1½d. per foot; Zinc ditto, 1s. 6d. per foot; Venetians, 2s. per foot; Holland, Transparent, and Window Blinds of all kinds. Old blinds repainted, repainted, and written upon. Wire work for flower trainers, garden arches, seats, pheasantries, aviaries, and fowl houses of every description of pattern. Fine and coarse sieves, every article in iron and wire, at THOMAS HENRY PUTNAM'S CITY OF LONDON WIRE WORK, IRON FENCE, and WEATHERING MANUFACTORY, 44, Skinner-street, and 6 and 8, Snow-hill, London. Every information, with samples or specimens and illustrated catalogue, forwarded post free. Wove wire for paper-makers, millers, chemists and for the East and West Indies.

THE PATENT GALVANIZED IRON.
TUPPER and CARR,
Owners of Crauford's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c. Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.
An allowance to the trade.
WORKS—MILLWALL and BIRMINGHAM.
LONDON OFFICE, 4, MANSION-HOUSE PLACE.

CRAUFURD'S PATENTS.—
THE PATENT
GALVANIZING and CORRUGATING IRON COMPANY.
JOHN SIMONDS and Co., Managers.
The Company have made considerable improvements in the mode of working Crauford's Patents, and as their arrangements enable them to galvanize larger work than has been hitherto practicable, they are in a position to execute orders to any extent, in a manner hitherto unequalled, and they respectfully solicit the favours of builders, contractors, merchants, and others.
ON HAND, sheets, plain or corrugated, for iron houses, sheds, railway stations, &c., and fixed to order, if required.
Wire, piping, guttering, &c., for home use and exportation.
N.B.—Goods to be galvanized, sent for and returned free of charge, within three miles of the Tower; and all light goods received by 9 a.m. will be returned the same day, if required.
Offices—13, Cross, Minories.
Works—Stone-house-yard, opposite the London Docks.
*** A DISCOUNT ALLOWED TO THE TRADE.

IRON BUILDING and ROOFING
WORKS,
BIRMINGHAM, late of Smethwick.
JOHN M. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.
PATENTEE
Of the Corrugated Iron Houses, Cottages, and Fire-proof Floors.

THE CORRUGATED and GALVANIZED
IRON ROOF,
PORTABLE BUILDING, AND
SMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS.
Offices, 63, Gracechurch-street.
JOHN WALKER, one of the Patentees of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his LIST of Prices, which, combined with good work manship, are extremely low.
Models of the patent Iron Roofing, corrugated or not, and girders; also, drawings of roofs, on peculiar principles, may be had on application.
Drawings of the iron lighthouse spoken of in the Times and other papers since the September gale, may be seen by application.
References to firms of the highest class can be given.

SMYTH'S PATENT
WROUGHT-IRON Fire-proof Flooring.
JOHN WALKER, Sole Manufacturer and Licensee.
Offices, 63, Gracechurch-street.

FIRE-PROOF FLOORS.
The late lamentable accident in Gracechurch-street serves to prove that where sand-iron is the foundation on which doors, &c. are made, much dependence cannot be placed on it. This induces John Walker to earnestly solicit the attention and consideration of Architects, &c., to Mr. G. SMYTH'S PATENT FLOORING, of which J. W. is the sole licensee and manufacturer. The material is wrought iron, and therefore not subject to sudden fusion, as cast iron is—and wood is not introduced.
Descriptive pamphlets may be had, models may be seen, and every information obtained at JOHN WALKER'S OFFICES, 63, Gracechurch-street.
MANUFACTURER OF CORRUGATED IRON.

ROMAN and other CEMENTS.—Manufactured by J. M. BLASHFIELD, successor to the patentees, PARKER and WYATT, who, in 1791, first introduced PARKER'S ROMAN CEMENT, which has now for upwards of fifty years been extensively used in most of the public and private buildings and other works in this country and throughout the world. Among the more recent works in this country where it has been largely employed since the present proprietor became the manufacturer, may be named the Lyceum and St James's Theatres, the Carlton, Reform, and Army and Navy Club Houses, the London Docks, the Thames Tunnel, the Winter Palace, St. Petersburgh, the British Museum, the York Minster, the Royal Exchange, the Nelson Column, and the New Houses of Parliament. When properly applied, it is the most perfect and economical Cement for hydraulic works known; and, when used as a stucco, it will resist the action of heat and frost, and preserve walls from damp. As a mortar for brickwork, it surpasses any other material, and is NEARLY AS CHEAP FOR BRICK WORK AS MORTAR MADE OF ORDINARY LIME. Persons an Hydraulic Lime, for setting machinery where slow indurations is important, so as to allow for the settlement of work. A Cement of extraordinary tenacity and hydraulic properties, and with which the most ancient works in Lombardy have been executed. Blashfield's Patent Mastic, or Oil Cement, which may be painted, varnished, or gilt after use. Also Harter's Cement, Keene's Cement, Portland Cement, Genuine Plaster of Paris, prepared from the purest gypsum, and of any degree of fineness required. Chimney-pots, Trusses, Pan Tiles, &c.—Manufactory, Millwall, Poplar, depôts, Commercial-road, Lambeth, and Paddington basin. Counting-house, 2, New London-street, Mark-lane, City.

ROMAN CEMENT and PLASTER of
PARIS WORKS
THOS. FREEN and CO.,
Manufacturers of ROMAN CEMENT, PLASTER of PARIS, and GROUND BLUE LIAS LIME.
TUSCANY WHARF, Regent's Canal, Kingsland-road, LONDON.
DEPOTS—QUEEN'S WHARF, Great Cambridge-street, Hackney-road.
KING'S WHARF, New Wharf-road, Battle bridge.
No. 3 WHARF, PADDINGTON.
N.B. LATHS, TILES, PAVING BRICKS, PLASTERERS' HAIR, ARTIFICIAL STONE, POTTERY WARE &c. &c.

PORTLAND CEMENT, in Casks of Four
Imperial Bushels. QUANTITY NOT WEIGHT, BEING THE STANDARD.—CHAS. FRANCIS and SONS, Cement Works, Nine Elms, London.

PORTLAND CEMENT, solely
MANUFACTURED by WILLIAM ASPDIN, from the Patentee.—Messrs. ROBINS, ASPDIN, and Co. respectfully refer to No. 888, page 481; and also Nos. 884 and 886, pages 340 and 341, of "The Builder," for accounts of EXPERIMENTS on the strength of Portland Cements, whereby the great superiority of their Cement is manifest. This Cement has been proved for upwards of twenty years in the Thames Tunnel to resist the action of water; it is stronger in its cementitious qualities, harder, and more durable than any other description of Cement; it does not vegetate, crystalize, or turn green; nor is it affected by any atmospheric influence whatever the climate, resisting alike the action of frost and heat. It is manufactured to set in from five to sixty minutes. For all purposes that Cement is applicable the Proprietors challenge competition.—Orders received by Messrs. ROBINS, ASPDIN, and Company, at their Manufactory, Northfleet, Kent, and their Wharf, Great Scotland-yard, Whitehall; also at their Depôt, 48, Hanover-street, Liverpool.

4, South Wharf, Paddington.
PORTLAND CEMENT.—CHARLES
RICHARDSON has the greatest confidence in introducing to the trade the above superior CEMENT, being of uniform colour and quality, as Guildhall-yard, Corner Bushes obtained in Portland Cements. It possesses extraordinary cementitious qualities, resists the action of frost and heat, and is more durable than any other Cement; does not vegetate, turn green, or crack, combined with which its ordinary hydraulic property, stamps it as one of the first Cements of the day for work where all the above qualities are requisite. It is manufactured on the only principle Portland Cement can be, and contrary to the statements put forth by those who have hitherto had the monopoly. Manufactured by R. GREAVES, Esq., at his Works, near the River Avon, and sent to all parts of the Kingdom per boat or rail, at a reduced price to the trade.

PORTLAND CEMENT, as manufactured
by J. B. WHITE and SONS, possesses all the properties of the best Roman Cement, but has the advantage over that material of wholly resisting frost. When used as a stucco, it does not vegetate or turn green in damp situations, and requires no colouring. Employed as an hydraulic mortar for brickwork, it carries four to five measures of sand to one of cement, and is proved by trial to become harder and stronger in those proportions than Roman Cement with but one measure of sand. This superior cementing power, combined with its eminently hydraulic properties, point it out as the fittest material for building on and embankment walls, the lining of reservoirs, cisterns, and baths, and for all those purposes where strength and a perfect resistance to water are required.
Manufactories—J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington; and Earl-street, Blackfriars; and 28, Sea-street, Liverpool.

KEENE'S and PARIAN CEMENTS,
for internal stucco, are employed very advantageously in place of wood for skirtings, architraves, and panel mouldings and for in-door flooring, instead of stucco. The peculiar properties of PARIAN Cement allow of its being painted or papered upon within a few hours of its application, and thus render it an important substitute for common plastering in those cases where expedition and beauty of finish are essential.—J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington; and Earl-street, Blackfriars, Patentees of KEENE'S Cement, Licensees of PARIAN Cement.

ATKINSON'S CEMENT, made in London
from the stone supplied from the Mulgrave estate, is well known for its quick setting properties and fine natural colour which have distinguished it for many years to the best Cement for Roman or Italian cement purposes.—Manufactory, J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington; and Earl-street, Blackfriars.

FRENCH PLASTER mixed with sand forms
a hard stucco for internal walls, which dries rapidly, and may be used in all cases in place of lime and hair, at a trifling increase of cost. It is stronger for moulded work than English plaster, and is cheaper in the first cost.—Importers and Manufacturers, J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington; and Earl-street, Blackfriars.

J. B. WHITE and SONS advise purchasers
of PORTLAND CEMENT to ascertain if an article now selling under that name is a reduced price be the real Portland Cement or a spurious imitation of it in the shape of a Lias Lime.

GREAVES'S PORTLAND, ROMAN, and
LIAS CEMENTS.—The above possess every cementitious property, in an eminent degree, and are unequalled for all hydraulic purposes.
GREAVES'S GROUND BLUE LIAS LIME.
CHARLES RICHARDSON, Agent,
Office, Warwick. 4, South wharf, Paddington.

PERMANENT STUCCO WASH,
WITHOUT SIZE OR OTHER CORRUPTIBLE INGREDIENT.
As used at St. George's Hospital, Hyde Park Corner.
JOHNS and CO. having effected some important improvements in the manufacture of this very useful material, confidently offer it to the notice of the Trade and the Public generally, as possessing every advantage over the common Lime Wash or Water Colour for STUCCO or BRICK WORK. It is a Stone Colour, but may be tinted to any other. DOES NOT WASH OFF—is perfectly dry in twenty-four hours, and, being a non-absorbent, is admirably adapted for Railway Stations, Union Workhouses, Barracks, Schools, Prisons, &c. (one cwt. will cover 80 square yards. It will last good for years, and MAY BE EXPORTED WITH PERFECT SAFETY.
JOHNS and CO.'S STUCCO CEMENT.—This cement, from the great reduction in price, and its enhancement for internal as well as external surfaces, places it above all other materials of its kind; it has no cementitious qualities; may be painted or papered in a few days; never blisters, cracks, or repaints; sets harder as hard as stone; and may be cleansed with a brush and water.
The merits of the PAINT are well known for its adaptation to chosen work of all kinds, and external work generally. Numerous testimonials, prospectuses, and every information may be obtained, on application to the Sole Agent, PHILIP HARE, at the Warehouse, 28, Steed-street, Upper Thames-street. A liberal allowance to wholesale dealers.

PARIAN CEMENT for internal use, to be
PAINTED IN A FEW HOURS, AND PAPERED WITHIN A COUPLE OF DAYS. CHARLES FRANCIS and SONS, Patentees, Nine Elms, London.

GREY-STONE LIME.—HALL, Brothers,
Wrotham Lime Works, near Bergholt, beg to offer to Builders and others a list of their prices for Cash on delivery.
Grey-Stone Lime ..... 9s. 6d. per Yard, or 27 Bushels.
Ditto, for Manure ..... 9s. 6d. ditto ditto
Ditto, Ashes ..... 1s. 6d. ditto ditto
Black ditto ..... 9s. 6d. ditto ditto
In not less than Six Yard quantities, and put on the Railway for all goods stations on the London and Brighton, and South Eastern Railways, or lines connected with them. A fresh supply has been the after daily, at the Brewlayers Arms and Croydon Stations, and delivered to all parts.
Prices for Cash on delivery—7s. per yard at the stations or works; 8s. per yard delivered within five miles; 8s. per yard for 5-yard quantities. Bushing, 2s. per yard; 3s. per yard all of yard monthly. Collecting charged for. The Quality is warranted to be the Best.—Address, Wrotham, near Bergholt, Croydon; or Vauxhall-place, Old Kent-road.

LIME WORKS, WOULDHAM, near
ROCHESTER.
THOS. FREEN and CO. beg to inform builders, contractors, and others, that they have purchased the LIME WORKS at WOULDHAM, on the MEDWAY, of Mr. J. W. LINDMEGY, and are now prepared to supply GREY, CHALK, and PLAIN LIME, upon very reasonable terms, either to the trade, direct from their Works, or in small quantities from their Depôts, viz. TUSCANY WHARF, REGENT'S CANAL, KINGSLAND-ROAD, London; QUEEN'S WHARF, Great Cambridge-road, HACKNEY-ROAD; KING'S WHARF, NEW WHARF ROAD, BATTLE BRIDGE.

LAWRENCE and CO., 55, Parliament-
street, Westminster, and 10, York-place, Lambeth, Manufacturers and Dealers in Zinc, &c.—Plain, 18s. Chinese Plain, 8s. per foot, various sorts of chimney-cowls and hips, perforated zinc in sheets, 30d. per foot; rain pipe, 3 in., 6d. per foot; bell tube, 30d. per ft. Baths, wardrobes, skylights, drawn tube, &c. &c. to order. Zinc or brass plates supplied or stamped in best manner. Spelter and chest zinc and tools of best quality on sale.

ZINC, from the VIEILLE MONTAGNE
MINING COMPANY, is the purest known, free from alloy of iron, lead, or sulphur. It is supplied in spelter for brass founders, &c., and in sheets for roofing, sheathing, and roofing of all kinds, and tools of all dimensions. It may be had at the following Agencies, who have always a large stock in hand:
London—Messrs. Charles Devonshire and Co.; Mr. Charles Judd, Mr. William Skirrow.
Birmingham—Mr. John Barwell.
Liverpool—Messrs. E. Zwilchenbart and Co.
Manchester—Messrs. Rich. Johnson and Brother.
Leeds—Messrs. J. G. and J. Hemingway.
Hull—Messrs. Thomas R. Morley and Co.
Newcastle upon Tyne—Mr. Benjamin Plummer.
Leith—Messrs. Robert Anderson and Co.
Glasgow—Messrs. A. G. Kidston and Co.
Bristol—Messrs. Morgan, Kyd Arthur and Co.
Plymouth—Messrs. Lowcombe, Driscoll, and Co.
Southampton—Mr. W. J. Ledwards.
Peterborough—William P. Stanley.
Ipswich—George Harpham.
Either from 3 to 5 cwt. per square foot is generally used for roofing, which costs at least one-third cheaper than slate coverings, and the ship sheathing, which lasts from five to six years, costs two-thirds cheaper than copper or yellow metal. And if the zinc coverings are made of the Vieille Montagne Zinc, and under the superintendence of Mr. FREDERICK BROWN, the surveyor of the Company (for which no charge whatever is made), a guarantee will be given of its durability.—For further particulars, and prices, apply to Mr. H. F. SCHMOLL, General Agent for England, at the Company's Offices, No. 13, Manchester-buildings, Westminster-bridge, London.

PREVENTION of FIRES.—The attention
of those who are interested in building is earnestly invited to a
METHOD OF CONSTRUCTING THE
FLOORS, CEILINGS, & ROOFS OF HOUSES
ON AN IMPROVED FIRE-PROOF PRINCIPLE,
THE ADOPTION OF WHICH SECURES MANY IMPORTANT ADVANTAGES,
at a cost NOT GREATER THAN THAT OF THE COMMON MODE OF BUILDING WITH TIMBER.
This most desirable object is attained by the substitution of incombustible materials, chiefly iron and concrete, in the formation of the floors and roofs, thereby superseding the use of timber joists, &c., but retaining of wood, as may be desired, a finished boarded surface for the floors.
From the published recommendations of the most competent authorities, it would appear that no house in which timber joists are used is practically secure from the danger of fire, but one constructed of fire-proof building yet remained to have been liable for ordinary domestic buildings on account of the expense. This difficulty is now so entirely removed by the introduction of an improved method of construction, that it is a simple matter of choice whether a building shall be fire-proof or not. Unexpected, indeed, with the serious consumption of timber rise as, the fire-proof material exhibits considerable economy, and the total cost of a building will be still further reduced when the roof is constructed on this improved fire-proof system, which, so far from being merely theoretical, has proved its superiority by a trial of seventeen years; and it not only affords perfect security from the ravages of fire, but secures greatly increased strength and durability to the building, together with freedom from the attacks of dry-rot, and from the annoyance of insects and vermin, for which there is no harbour.
For the object to which public attention is now so generally directed, viz., the construction of supported dwellings for the laboring classes,—this system is peculiarly applicable; for when it is considered that several hundred individuals will generally be supposed under one roof, and in a building probably five or six stories high, it is fearful to contemplate the sacrifice of life which may occur in the event of fire.
The Metropolitan Association, established for this object, have availed themselves of the advantages of this system in the construction of a large block of dwellings for sixty families, just completed in Bermondsey; and several large counts' lunatic asylums, warehouses, private mansions, dwelling-houses, offices, &c., are also either completed or in course of erection, indicating a wide and extensive appreciation of the advantages of the fire-proof plan of building.
A pamphlet fully descriptive of the system and all further information, may be obtained on application to the proprietor of the patent, Mr. FOX and HARRETT,
THAMES CHAMBERS, 18, YORK-BUILDINGS, ADELPHI.

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